

## CAMKK1/2 rabbit pAb

<b>Catalog No :</b>	YT8012
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB
<b>Target :</b>	CAMKK1/2
<b>Fields :</b>	>>Alcoholism
<b>Gene Name :</b>	CAMKK1 CAMKKA
<b>Protein Name :</b>	CAMKK1/2
<b>Human Gene Id :</b>	84254
<b>Human Swiss Prot No :</b>	Q8N5S9
<b>Mouse Gene Id :</b>	55984
<b>Mouse Swiss Prot No :</b>	Q8VBY2
<b>Rat Gene Id :</b>	60341
<b>Rat Swiss Prot No :</b>	P97756
<b>Immunogen :</b>	Synthesized peptide derived from human CAMKK1/2
<b>Specificity :</b>	This antibody detects endogenous levels of CAMKK1/2 at Human, Mouse,Rat
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-

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chromatography using epitope-specific immunogen.

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**Concentration :** 1 mg/ml

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**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

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**Molecularweight :** 56kD

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**Background :** The product of this gene belongs to the Serine/Threonine protein kinase family, and to the Ca(2+)/calmodulin-dependent protein kinase subfamily. This protein plays a role in the calcium/calmodulin-dependent (CaM) kinase cascade. Three transcript variants encoding two distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008],

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**Function :** catalytic activity:ATP + a protein = ADP + a phosphoprotein.,domain:The autoinhibitory domain overlaps with the calmodulin binding region and may be involved in intrasteric autoinhibition.,domain:The RP domain (arginine/proline-rich) is involved in the recognition of CAMKI and CAMK4 as substrates.,enzyme regulation:Activated by Ca(2+)/calmodulin. Binding of calmodulin may release intrasteric autoinhibition. Partially inhibited upon phosphorylation by PRCAKA/PKA (By similarity). May be regulated through phosphorylation by CAMK1 and CAMK4.,function:Calcium/calmodulin-dependent protein kinase that belongs to a proposed calcium-triggered signaling cascade involved in a number of cellular processes. Phosphorylates CAMK1, CAMK1D, CAMK1G and CAMK4. Involved in regulating cell apoptosis. Promotes cell survival by phosphorylating AKT1/PKB that inhibits pro-apoptotic BAD/Bcl2-antagonist of cell de

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**Subcellular Location :** Cytoplasm . Nucleus .

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**Expression :** Amygdala,Brain,

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**Sort :** 25084

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**No4 :** 1

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**Host :** Rabbit

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**Modifications :** Unmodified

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**Products Images**